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MODULE HANDBOOK

Module name	Metode Statistika I (Statistical Methods I)
Module level, if applicable	Bachelor
Code, if applicable	MMS - 1404
Subtitle, if applicable	-
Courses, if applicable	Statistical Methods I
Semester(s) in which themodule is taught	1 / first year
Person responsible for themodule	Drs. Zulaela., Dipl.Med.Stats., M.Si.
Lecture(s)	Drs. Zulaela., Dipl.Med.Stats., M.Si. Yunita Wulan Sari, S.Si., M.Sc. Rianti Siswi Utami, S.Si., M.Sc.
Language	Indonesian
Classification within the Curriculum	Compulsory course/ ~~Elective Studies~~
Teaching format /classhours per week during the semester:	2 hours lecture and 2 hours laboratory session
Workload	– 2 hours lecture+ 4 hours individual study, 14 weeks lecture persemester, – 2 hours laboratory session + 2 hours individual study, 10 weeks laboratory session per semester, – total 124 hours a semester
Credit points	3
Requirements	-
Module objectives/intended learning outcomes	By the end of this course, students are expected to be able to: CO-1 : Interpret the basic statistics, identify the probability concepts, calculate the probability of event and apply it to get the distribution of random variable. CO-2 : Use statistical analysis in order to do inference includes estimation and hypotesis testing. CO-3 : Apply basic statistical methods for many different data set.
Content	Descriptive statistics : data collection, data presentation. Measures of central tendency, dispersion, elementary probability, random variables and their distributions, sampling distribution. The Binomial, Hypergeometric, Poisson and Normal distributions. Statistical inference : estimation and test of hypotheses for one and two populations for mean, proportion, and variance.

Study and xamination requirements and forms of examination	The weight of assignments will be as follows: i. Quiz, homework 25% ii. Mid semester exam 35% iii. Final exam 40% Grade scale: A: 85<score≤100 A-: 80<score≤85 A/B: 75<score≤80 B+: 70<score≤75 B: 65<score≤70 B-: 60<score≤65 B/C: 55<score≤60 C+: 50<score≤55 C: 45<score≤50 C-: 40<score≤45 C/D: 35<score≤40 D+: 30<score≤35 D: 20<score≤30 E: 0≤score≤20
Media employed	Slides and LCD projectors, whiteboards
Reading List	1. Mario F, Triola, 2004, *Elementary Statistics*, Addison Wesley 2. Walpole, Ronald E., *Pengantar Statistika, edisi 3*, Gramedia 3. Walpole, R.E., Myers, R.H., Myers, S.L., dan Ye, K., 2012, *Probability and Statistics for Engineers and Scientists, Ninth Edition*, Prentice Hall, New York.

CO and PLO mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
CO 1	x						
CO 2			x				
CO 3				x			